

## AGENDA

### UNIFORM BUILDING CODE COMMISSION MECHANICAL ADVISORY COMMITTEE MEETING

November 9, 2021 3:00

#### [Anchor Location](#)

Heber M Wells Building Rm 474  
160 E 300 S  
Salt Lake City UT 84114

#### [Join with Google Meet](#)

[meet.google.com/pon-xfym-peh](https://meet.google.com/pon-xfym-peh)

#### [Join by phone](#)

(US) +1 617-675-4444 PIN: 652 043 371 9762#

*This agenda is subject to change up to 24 hours prior to the meeting.*

1. Roll call
2. Approve minutes from the September 14, 2021 meeting
3. Review proposed amendment to 2015 IRC Section R202
4. Review of the energy portion of the 2021 IRC and current amendments

Next Scheduled Meeting: December 14, 2021

**If you do not plan on attending this meeting, please call Sharon at 530-6163 or email at [ssmalley@utah.gov](mailto:ssmalley@utah.gov)**



**In compliance with the Americans with Disabilities Act, individuals needing special accommodations (including auxiliary communicative aids and services) during this meeting should notify Dave Taylor, ADA Coordinator, at least three working days prior to the meeting. Division of Occupational and Professional Licensing, 160 East 300 South, Salt Lake City UT 84115, Phone 530-6628 or toll-free in Utah only 866-275-3675.**

## MINUTES

### UNIFORM BUILDING CODE COMMISSION MECHANICAL ADVISORY COMMITTEE

#### Meeting

September 14, 2021 3:00 pm

Convened 3:02 PM

Adjourned 4:17

#### STAFF:

Steve Duncombe, Bureau Manager  
Sharon Smalley, Board Secretary

#### MECHANICAL ADVISORY COMMITTEE:

David Halverson	David Wilson
Clay Monroe	Chris Jensen
Terry Palmer	Trent Hunt, Commission Liaison (excused)

#### VISITORS:

Kevin Emerson, Utah Clean Energy  
Thomas Kessinger, Utah Clean Energy  
Bryson Garbett, Garbett Homes

#### MINUTES

A motion was made by Dave Wilson to approve the minutes from the August 10, 2021 meeting as written. The motion was seconded by Terry Palmer and passed unanimously.

#### REVIEW CURRENT 403.3.1.1 AND SECTION 502.20

The committee reviewed the current amendments for these two sections. Following the discussion, a motion was made by Dave Wilson to keep the current amendment for IMC Table 403.3.1.1. The motion was seconded by Terry Palmer and passed unanimously.

A motion was made by Terry Palmer to keep the current amendment for IMC Section 502.20. The motion was seconded by Chris Jensen and passed unanimously.

Bryson Garbett spoke to the committee and asked them to consider recommending adoption of the energy portion of the 2021 IRC without any amendments. He would like the code to be more progressive toward more energy efficiency and cleaner air.

The committee started their review of the energy portion of the 2021 IRC. Those present looked at the significant changes from the 2015 to the 2021 code. Thomas Kesinger and Kevin Emerson spoke in favor of adopting the 2021 code without any amendments. The committee has received an independent report, Cost-Effectiveness of 2021 IECC for Residential Buildings in Utah, from the Pacific Northwest National Laboratory. Following further discussion, a motion was made by Dave Wilson to table the decision until further study can be done on the report from Pacific Northwest and also the current amendments. The motion was seconded by Chris Jensen and passed unanimously.

The committee agreed not to hold a meeting in October. The next meeting will be November 9<sup>th</sup>. At that meeting the committee will continue with the review of the energy portion of the 2021 IRC and the current amendments.

The meeting adjourned at 4:17.

*Note: These minutes are not intended to be a verbatim transcript but are intended to record the significant features of the business conducted in this meeting. Discussed items are not necessarily shown in the chronological order they occurred.*

UTAH DEPARTMENT OF COMMERCE  
DIVISION OF OCCUPATIONAL AND PROFESSIONAL LICENSING  
160 East 300 South Salt Lake City UT 84111  
PO Box 146741 Salt Lake City UT 84114-6741  
E-mail: [b5@utah.gov](mailto:b5@utah.gov)  
Web: [www.dopl.utah.gov](http://www.dopl.utah.gov)

REQUEST FOR CODE AMENDMENT

Requesting Agency/Person: Home Builders Association of Utah	Date: 11/01/2021
Street Address: 38 W 13775 S suite 120	
City, State, Zip Draper Utah 84020	
Contact Person: Ross Ford	Phone: 801-352-8266
Code to be Amended: 2015 IRC (Include edition)	
Section: R202	
Section Title: Definitions	

AMENDMENT:
Type proposed amendment in rule change form. (Using strikeout on portions being removed and underline on all new wording.) After APPROVED. Acceptable to the building official. Add the words  APPROVED HVAC SIZING, DESIGN, AND BUILDING LOAD CALCULATIONS METHODOLOGIES ACCA manuals S, J and D or Any person qualified by education, industry certification, or a minimum of 3 years industry experience.

<p>Purpose of or Reason for the amendment:</p> <p>The code clearly accepts ACCA manuals and offer a path for other approve methods but only defines approved methodologies as “acceptable to the building official.”</p> <p>The industry needs clear and predictable design criteria with specifications regarding who can complete the calculations. Current code leaves the decision up to each jurisdictions building official.</p> <p>Building officials are experts in ensuring a proper design is correctly installed, however they are not experts in HVAC design or analyzing and validating the qualification of design experts.</p> <p>HVAC designers need the flexibility to apply the expertise gained from experience to properly size equipment, and layout duct work for optimal performance.</p> <p>Strict use of ACCA manuals restricts HVAC design experts, and General contractors from meeting the specific performance requirements of homeowners.</p> <p>A clear understanding of who can complete the calculations and properly design the system and size equipment opens the option of having stake holders meet to discuss special uses and performance expectations rather than relying on a prescriptive formula.</p>	
<p>Cost or Savings Impact of Amendment:</p> <p>This amendment impacts the design process so there will be little or no change in cost.</p> <p>However proper design of the system could save homeowners many thousands of dollars in the future. An improperly designed system that fails to cool or heat the home properly, could force the home owner to upgrade or replace equipment costing tens of thousands of dollars.</p>	
<p>Compliance Costs for Affected Persons (APerson@ means any individual, partnership, corporation, association, governmental entity, or public or private organization of any character other than an agency.) (You must break out the impact cost to State Budget, Local Government and you must state aggregate cost to other persons {cost per person times number of persons affected}):</p> <p>This amendment will have no cost impact for compliance</p>	
<p>Signature:</p>	<p>Date:</p>

**For Division Use:**

<p>Date Received:</p>	
<p><b>Committee Action:</b></p> <p>Approved                      Δ Denied</p> <p>Approved with revisions</p> <p>Referred to:</p> <p>Tabled</p>	<p><b>UBC Commission Decision for Hearing:</b></p> <p>Approved for hearing    Δ Denied</p> <p>Approved with revisions</p> <p>Referred to:</p> <p>Tabled</p>
<p>Date Filed:</p>	<p>Public Hearing Date:</p>
<p><b>UBC Commission Decision for Adoption:</b></p> <p>Approved                      Δ Denied</p> <p>Approved with revisions</p>	

Referred to: Tabled	Effective Date:
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